

# Material Safety Data Sheet

according to Regulation (EC) 1907/2006

Oerlikon Balzers

**Product name :** BALINIT® ALDURA  
**Version :** 02.06.2008 7.0.0  
**Revision :** 18.09.2007

---

## 01. Identification of the substance/preparation and of the company/undertaking

### Product name

BALINIT® ALDURA

### Manufacturer/Supplier

OC Oerlikon Balzers AG

### Street/P.O.Box

Iramali 18

### Country code/Postal code/Town/City

9496 Balzers

### Telephone / Telefax

00423 388 75 00 / 00423 388 54 34

### Emergency information

0041 (0)44 251 51 51

### Contact

++423 388 75 00 / www.balzers.com

---

## 02. Hazards identification

### Hazard designation

-

### Additional information

There are no data available on the product itself.

---

## 03. Composition/information on ingredients

### Hazardous components

ALUMINIUM NITRIDE ; EC-No. : 246-140-8; CAS-No. : 24304-00-5

Percentage : < 5 %

Classification : Xi ; R 37

For the wording of the listed risk phrases refer to section 16.

---

## 04. First-aid measures

### After inhalation

No particular measures required.

### After skin contact

Immediately remove all contaminated clothing. Flush away with water and rinse.

### After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

### After ingestion

Do not induce vomiting - call a physician.

---

## 05. Fire-fighting measures

### Suitable extinguishing media

Foam, CO2, powder extinguisher.

### Unsuitable extinguishing media

None known.

### Additional information

None.

---

## 06. Accidental release measures

# Material Safety Data Sheet

according to Regulation (EC) 1907/2006

Oerlikon Balzers

**Product name :** BALINIT® ALDURA  
**Version :** 02.06.2008 7.0.0  
**Revision :** 18.09.2007

---

## Personal precautions

Take the precautions customary when handling chemicals.

## Environmental precautions

Do not empty into drains.

---

## 07. Handling and storage

### Information for safe handling

Normal precautions taken when handling chemicals should be observed.

### Information about protection against explosions and fires

No anti-explosion measures necessary.

### Further information about storage conditions

Containers should be kept dry and sealed.

**Storage class (VCI) :** 13

---

## 08. Exposure controls/personal protection

### Components with critical values that require monitoring at the workplace (exposure limits)

ALUMINIUM POWDER (PYROPHORIC) ; CAS-No. : 7429-90-5

Specification : TRGS 903 - biological maximum limits ( D )  
Parameter : Aluminium / urine / end of exposure or shift  
Value : 0.2 mg/l  
Version date : 31.03.2004

### Personal protective equipment

#### General protective and hygiene measures

Keep away from food, drink and animal feeding stuff

#### Respiratory protection

Fresh air masks are recommended, or combination filters A2-P2 for works of short duration.

#### Eye protection

Use safety glasses.

#### Body protection

No particular measures required.

---

## 09. Physical and chemical properties

### Image

**Form :** Solid.  
**Colour :** blue-grey  
**Odour :** Odourless.

### Relevant safety data

<b>Boiling point / range :</b>	( 1013 hPa )	not applicable	°C
<b>Flash point :</b>		not applicable	°C
<b>Vapour pressure :</b>	( 50 °C )	no data available	hPa
<b>Solubility in water :</b>	( 20 °C )	insoluble	g/l

### Additional information

Microhardness (HV 0.05): 3300 Friction coefficient against steel: 0.35-0.40

---

## 10. Stability and reactivity

### Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

### Materials to avoid

# Material Safety Data Sheet

## according to Regulation (EC) 1907/2006

Oerlikon Balzers

**Product name :** BALINIT® ALDURA  
**Version :** 02.06.2008 7.0.0  
**Revision :** 18.09.2007

---

Reaction with oxidizing agents possible. Reactions with acids possible

---

### 11. Toxicological information

#### Toxicological tests

##### Primary irritant effect

No known toxic effects on humans.

---

### 12. Ecological information

#### Additional ecological information

##### General ecological information

Do not empty the product into drains, do not store on public depositories disposal: in accordance with local official regulations.

---

### 13. Disposal considerations

In accordance with local official regulations.

#### Product

##### Waste key

Waste code (91/689/EEC) : 06 04 05\*

---

### 14. Transport information

#### Land transport ADR/RID

##### Classification

Class : -

##### Remarks

#### Maritime transport IMDG/GGVSea

##### Classification

IMDG-Code : -

#### Air transport ICAO-TI and IATA-DGR

##### Classification

Class : -

---

### 15. Regulatory information

#### Classification according to EC directives

##### Special designation for certain preparations

101 Safety data sheet available for professional user on request.

#### National regulatory information

##### Water pollution classification (Germany)

Class : - according VwVwS

---

### 16. Other information

The user is responsible for the observance of all required statutory provisions.

#### Further information

##### R-Phrases of components

37 Irritating to respiratory system.

---

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

---